

US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (TS-767) WASHINGTON, DC 20460 NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)</i>	EPA REGISTRATION NO. 10466-34	DATE OF ISSUANCE DEC 19 1985
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT UltraFresh DM-50 CCD	

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Thompson Research Associates
 53 Shaw Street
 Toronto, Ontario
 Canada M6J

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided to you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling change listed below before you release the product for shipment:

a. Add the phrase "EPA Registration No. 10466-34."

Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

John H. Lee
 John H. Lee
 Product Manager (31)
 Disinfectants Branch
 Registration Division (TS-767C)

Enclosure

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE
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UltraFresh DM-50 C C D

BACTERIOSTATIC AND FUNGISTATIC PRESERVATIVE

ACTIVE INGREDIENT	
Tributyltin maleate	0.4%
INERT INGREDIENTS	99.6%
TOTAL	100.0%

DIRECTIONS FOR USE:

It is a violation of Federal Law to use this product in a manner inconsistent with its labelling.

Ultra-Fresh DM-50 be used as a bacteriostatic and fungistatic treatment for residential commercial and institutional carpets and rugs when applied by professional cleaners.

Ultra-Fresh DM-50 is to be used as directed in the accompanying Technical Data and Product Information Sheets.

KEEP OUT REACH OF CHILDREN

⤴
DANGER

ONLY FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS AND INDUSTRIAL USERS.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before re-use. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

PRECAUTIONARY STATEMENT:

Hazard to humans and domestic animals: Corrosive. Causes eye and skin damage. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Environmental hazards: Treated effluent should not be discharged where it will drain into lakes, streams, ponds, or public water.

MANUFACTURED FOR
THOMSON RESEARCH ASSOCIATES
53 SHAW STREET, TORONTO
ONTARIO, CANADA, M6J 2W3

Net Contents: U.S. Gallons

E.P.A. Est. J4310-RI-01

E.P.A. Reg. No. 10466-

Application Instructions

Spray evenly one gallon per 300 square feet of textile surfaces. On carpet surfaces brush in and allow to dry.

Note: Use wide nozzle sprayer. Do not mist.

STORAGE AND DISPOSAL PROHIBITIONS

Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

METAL CONTAINERS: Triple rinse (or equivalent.) Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

PLASTIC CONTAINERS: Triple rinse (or equivalent.) Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL

CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

DEC 19 1985

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

10466-34

Product Information Sheet
DM50 CCD

E.P.A. Registration No.: 10466

E.P.A. Est. No.: 34310-RI-01

BACTERIOSTATIC AND FUNGISTATIC AGENT FOR
APPLICATION TO CARPETS AND RUGS BY
PROFESSIONAL CARPET CLEANERS ONLY

Bacteriostatic and Fungistatic Activity on
Textile Surfaces

ULTRA-FRESH DM50 CCD confers bacteriostatic and fungistatic protection to textile (carpet) surfaces when the application procedures set out below are followed.

ULTRA-FRESH DM50 CCD may be used on the following fibres between shampooing or other liquid cleaning processes:

Acetates	Polyethylene
Acrylics	Polyolefins
Cotton	Polypropylene
Nylon	Rayon
Orlon	Wool
Polyester	

Bacteriostatic and fungistatic action is inhibited on contact in the presence of moisture.

Application Instructions

- 1/ Add ULTRA-FRESH DM50 CCD to portable sprayer and adjust spraying so DM50 CCD will treat 300 square feet of textile (carpet) surface.
- 2/ Spray evenly over carpet.
- 3/ Using pile brush or similar, brush in ULTRA-FRESH DM50 CCD ending up brushing in one direction for appearance of pile. Employ aluminium foil under furniture legs until carpet is dry.
- 4/ Thoroughly rinse sprayer after using.
- 5/ May be applied to carpet backings and pad.

Primary Use

To effectively resist the growth and destructive action of a wide variety of bacteria, mold, mildew and other fungi between shampooings and other liquid cleaning processes.

Carpeting and rugs treated with ULTRA-FRESH DM50 CCD agent:

- 1/ Inhibit growth of bacteria, mold and mildew to ensure hygienic freshness.
- 2/ Resist deterioration, discoloration and degradation caused by fungi and bacteria.
- 3/ Inhibit the growth of bacteria, mold and mildew to prolong the life of the treated article.
- 4/ Provide an antimicrobial treatment between shampooing or other liquid cleaning processes.
- 5/ Provide resistance to the growth of odor-causing bacteria, mold and mildew.
- 6/ Provide chemical protection to resist odors.
- 7/ Provide a self-deodorizing quality.
- 8/ Provide round-the-clock freshness.

The information and data contained herein are based on information we believe reliable. You should thoroughly test any application, and independently conclude satisfactory performance before commercialization. Suggestions of uses should not be taken as inducements to infringe any particular patent.

THOMSON RESEARCH ASSOCIATES

53 Shaw Street, Toronto, Ontario M6J 2W3
Tel: (416) 366-8954 Telex: 06-22053

ULTRA-FRESH DM-50CCD

Bacteriostatic - Fungistatic Liquid Ready to Use for Commercial Application

TECHNICAL DATA SHEET

E.P.A. Registration No. 10466

E.P.A. Est. No. 34310-R1-01

PRODUCT DESCRIPTION

ULTRA-FRESH DM-50CCD is a colourless liquid used for rendering fabrics and water-based emulsions resistant to attack by microorganisms.

PHYSICAL PROPERTIES

- Boiling Point - 100°C
- Freezing Point - 0°C
- Specific Gravity - 1.00 at 20°C
- Solubility - miscible in water

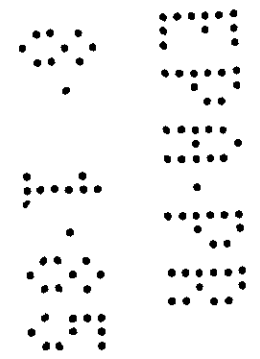
BIOLOGICAL ACTIVITY

The following table lists the minimum concentrations of ULTRA-FRESH DM-50CCD, dispersed in aqueous media, required to inhibit the growth of various microorganisms in test tube cultures. This table is intended to provide an indication of the broad spectrum activity of ULTRA-FRESH DM-50CCD in aqueous solution and is neither intended as a claim for recommended use concentrations under practical conditions, nor as a list of microorganisms involved in specific end-use conditions.

<u>Bacteria</u>	Minimum Concentration (ppm) Required for Complete Inhibition of Growth
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A. Gram Positive

Bacillus cereus	625
Bacillus licheniformis	625
Bacillus megaterium	2312
Bacillus mycoides	312
Bacillus subtilis	1625
Brevibacterium ammoniagenes	500
Clostridium oroticum	9375
Corrynebacterium hofmannii	250
Sarcina lutea	625
Staphylococcus aureus	125
Staphylococcus coagulase +	2062



DEC 15 1973
 registered in Canada
 10466-34



Trade Marks
Marques Déposée



Minimum Concentration (ppm)
Required for Complete Inhibition
of Growth

B. Gram Negative

Azotobacter vinelandii	17200
Escherichia coli	20875
Enterobacter aerogenes	45125
Enterobacter cloacae	41000
Klebsiella pneumoniae	1500
Acinetobacter calcoaceticus	312
Proteus mirabilis	2250
Morganella morganii	1625
Pseudomonas aeruginosa	12500
Pseudomonas fluorescens	62
Rhizobium leguminosarum	15625
Salmonella schottmuelleri	38750
Salmonella typhimurium	1875

Fungi

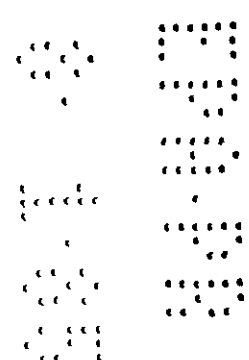
Aspergillus fumigatus	1812
Aspergillus niger	2312
Aureobasidium pullulans	1937
Candida albicans	62
Chaetomium globosum	62
Curvularia geniculata	562
Epidermophyton floccosum	62
Perenniporia fraxinophila	1875
Lenzites trabea	1687
Mucor sp.	2000
Penicillium chrysogenum	250
Penicillium notatum	375
Penicillium variable	1812
Poria monticola (placenta)	1250
Rhizopus sp.	437.5
Schizophyllum commune	1750
Stachybotrys atra	1937.5
Streptovercillium reticulum	1750
Trichophyton mentagrophytes	1312
Trichophyton rubrum	62

ACCEPTED
with COMMENTS
by EPA Letter 11/24/85

DEC 19 1985

Under the authority of the Administrator,
Function of the Office of Pesticide Programs,
as authorized by the Administrator,
registered under EPA Reg. No.

10466-34



APPLICATION PROCEDURES

- 1/ Add ULTRA-FRESH DM-50CCD to portable sprayer and adjust spraying so DM-50CCD will treat 300 square feet of textile (carpet) surface.
- 2/ Spray evenly over carpet.
- 3/ Using pile brush or similar, brush in ULTRA-FRESH DM-50CCD ending up brushing in one direction for appearance of pile. Employ aluminium foil under furniture legs until carpet is dry.
- 4/ Thoroughly rinse sprayer after using.
- 5/ May be applied to carpet backings and pad.

ACCEPTED
with COMMENTS
for EPA Letter 12/19/85

DEC 19 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 10466-34

TOXICITY OF ULTRA-FRESH DM50CCD

A. Rat Oral Toxicity

The Rat Oral MLD and LD₅₀ was found to be in excess of 10.0 g/kg of body weight, with no mortalities occurring at this dose level.

B. Rabbit Dermal Toxicity

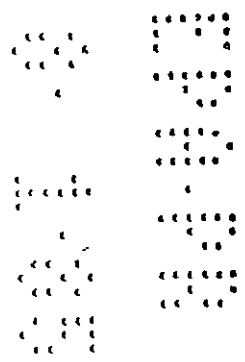
LD₅₀ was found to be in excess of 2.0 g/Kg of body weight, with no mortalities occurring at this dose level. Further testing was suspended, as ULTRA-FRESH DM50CCD appears to be less than toxic by dermal exposure.

C. Primary Skin Irritation Study

Primary Irritation Score + S.C. : 7.86 + 0.34

D. Primary Eye Irritation Evaluation

Extremely irritant and corrosive (class 6)



STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush the eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse.

NOTE TO PHYSICIAN

Probable mucosal damage contraindicates the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

NOTICE

The technical information and suggestions for use made herein are based on TRA's research and experience and are believed to be reliable, but such information and suggestions do not constitute a warranty, and no patent liability can be assumed. Since TRA has no control over the conditions under which this product is transported, stored, handled, used or applied, it is TRA's intent that its liability on any basis be limited to the price of the product used.

ACCEPTED
with COMMENTS
in EPA Label Book

DEC 19 1965

Under the Federal Insecticide, Fungicide, and Plant Disease Act as amended for the purpose of registered under EPA Reg. No. 10466-34

